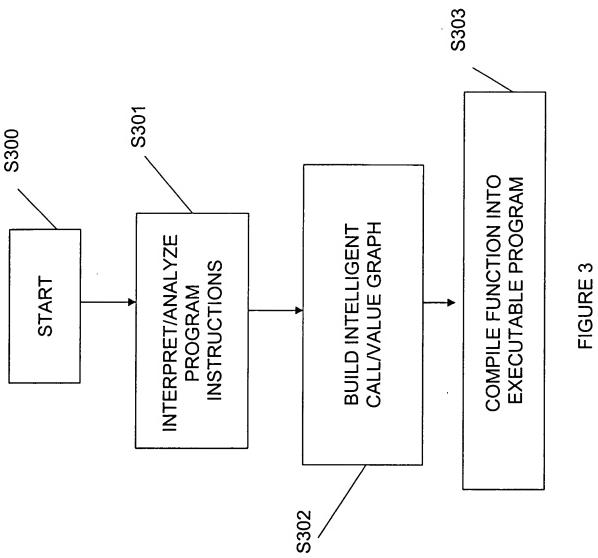
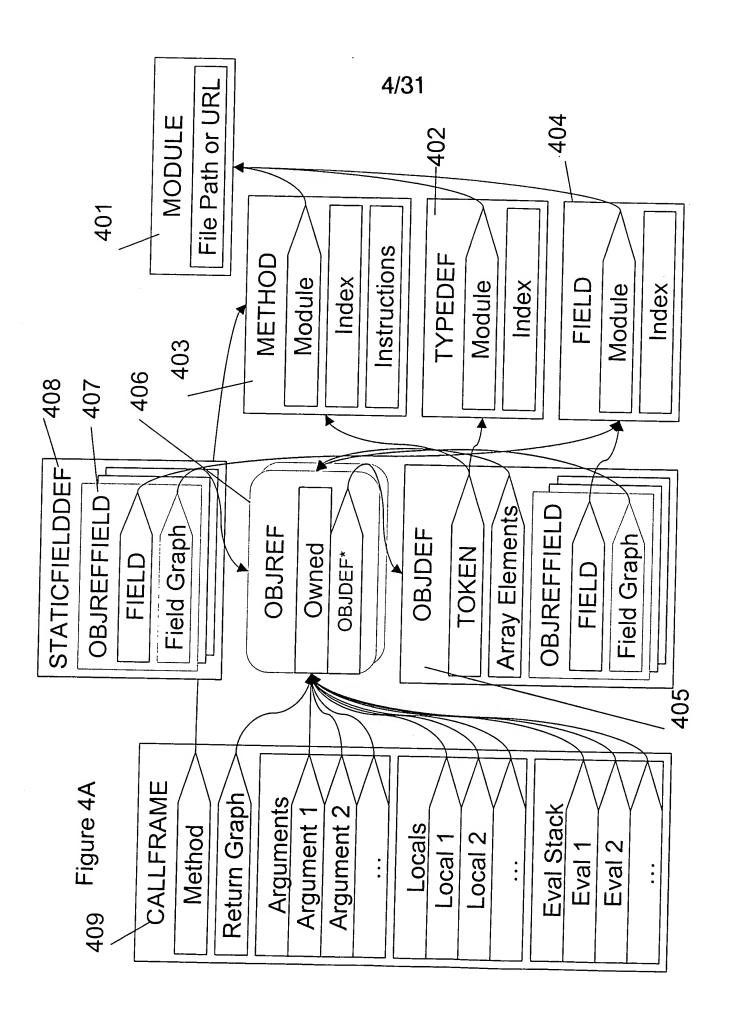
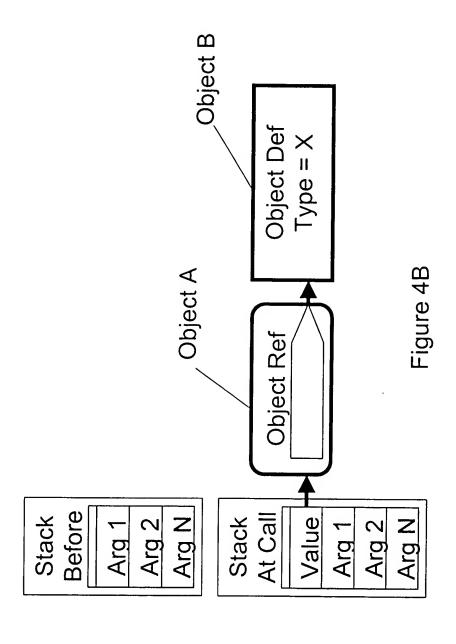


FIGURE 2B







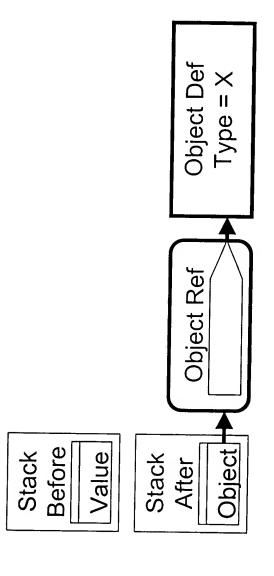


Figure 4C

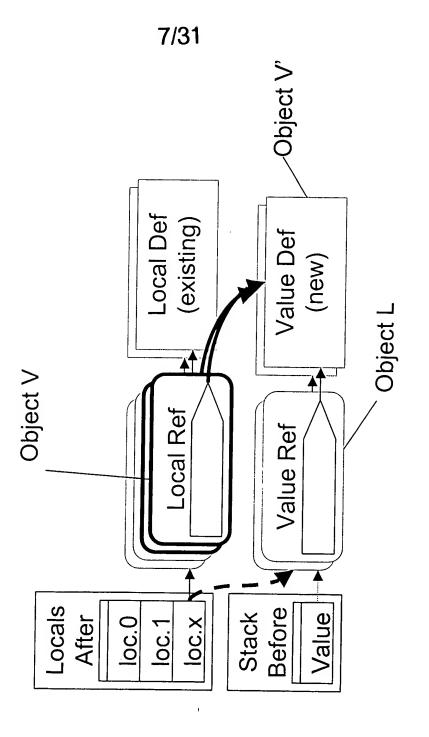


Figure 5

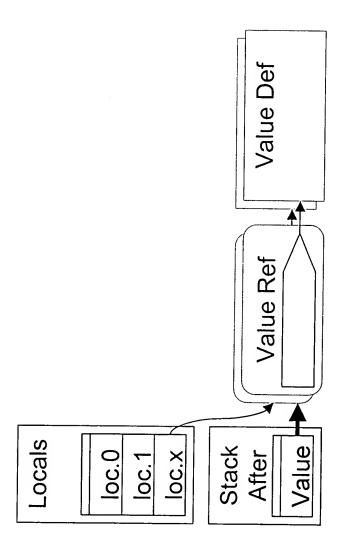


Figure 6

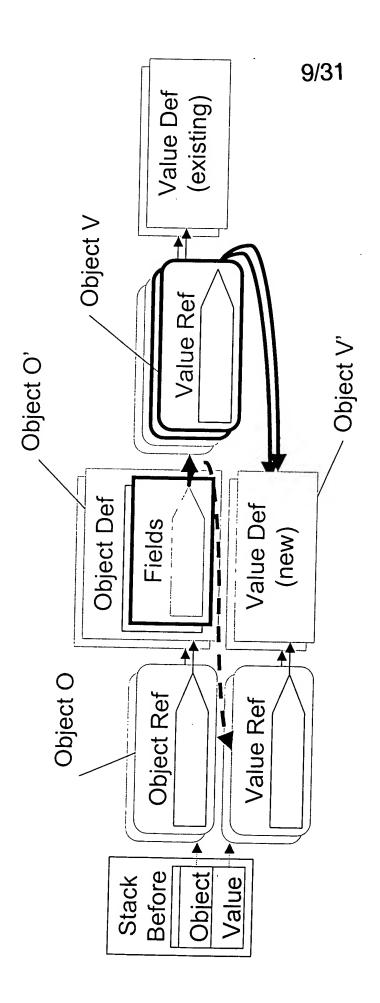
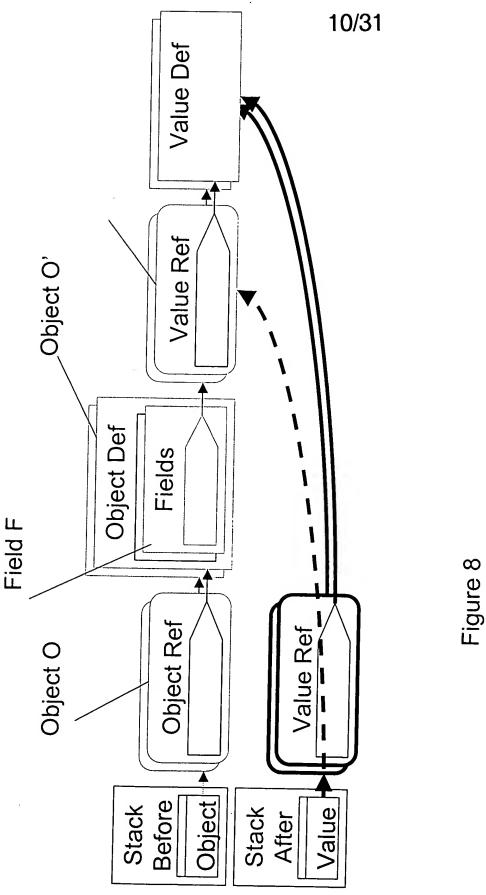


Figure 7



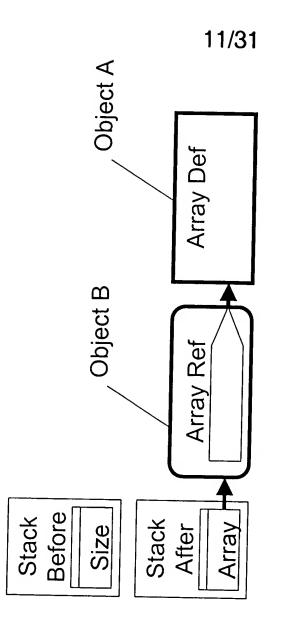


Figure 9

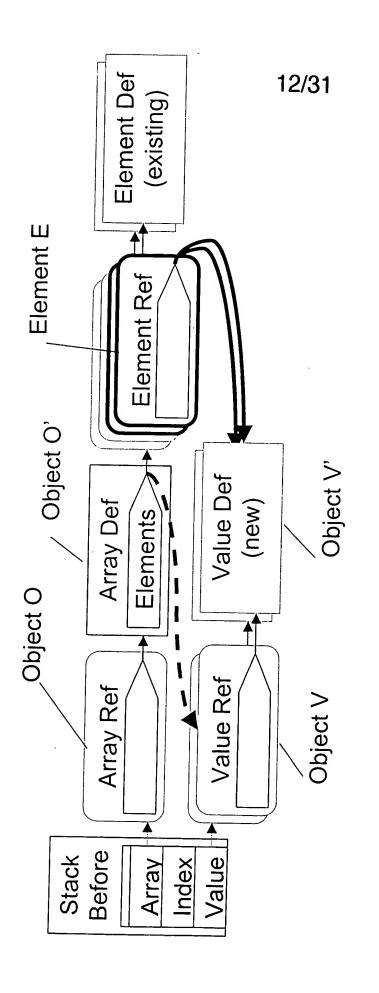
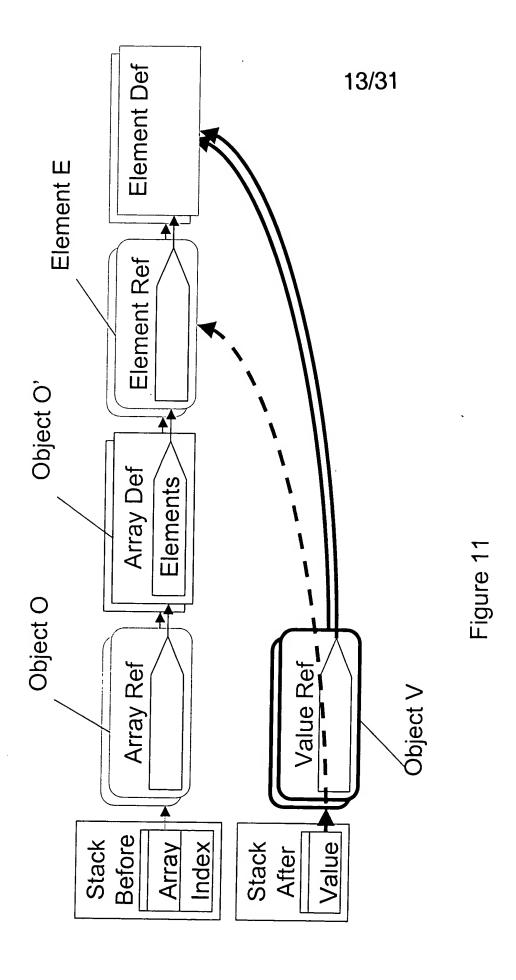


Figure 10



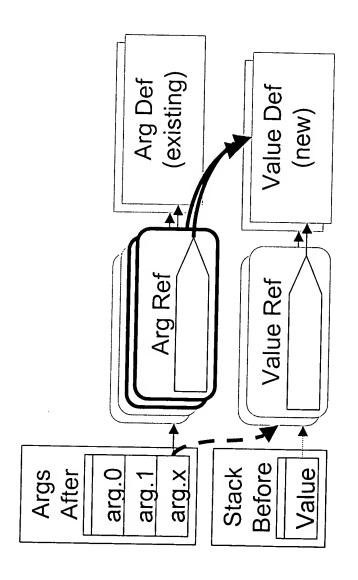


Figure 12

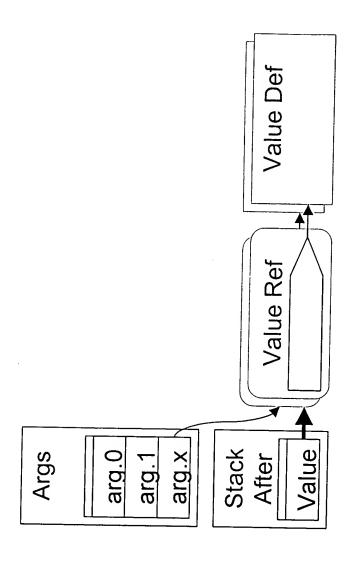


Figure 13

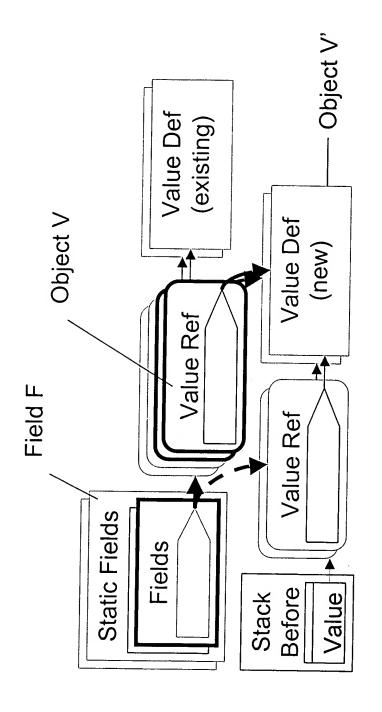


Figure 14

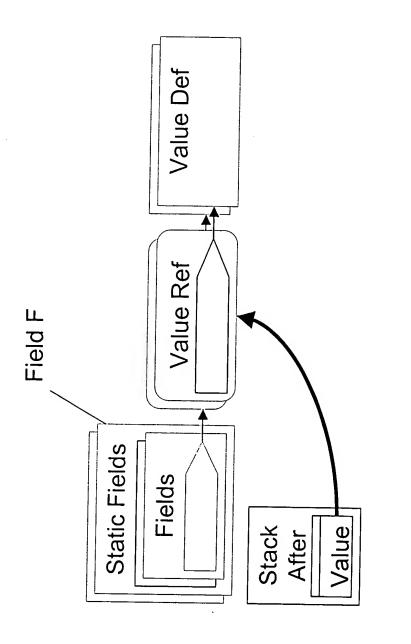


Figure 15

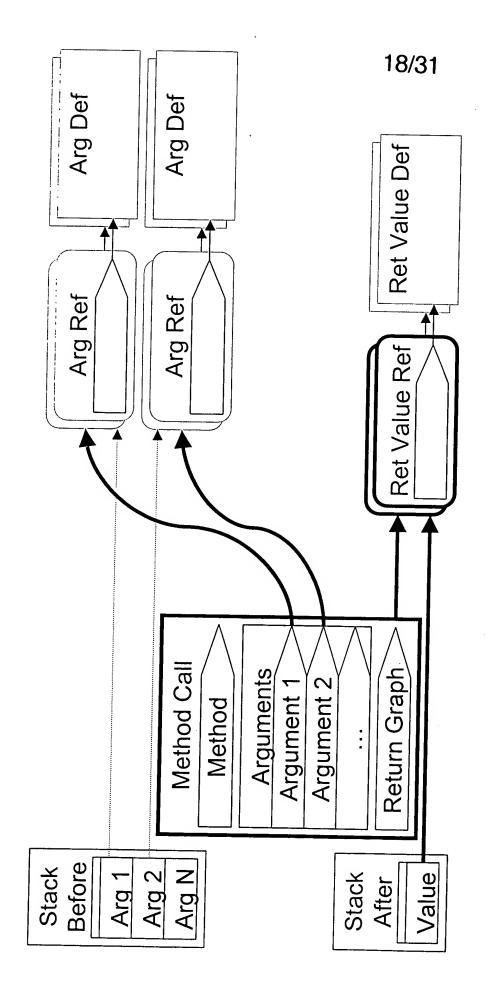


Figure 16

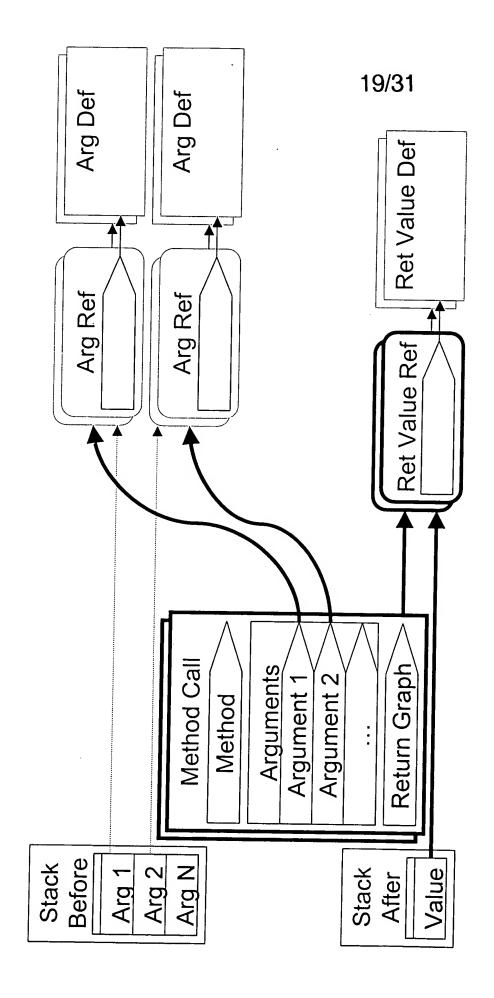
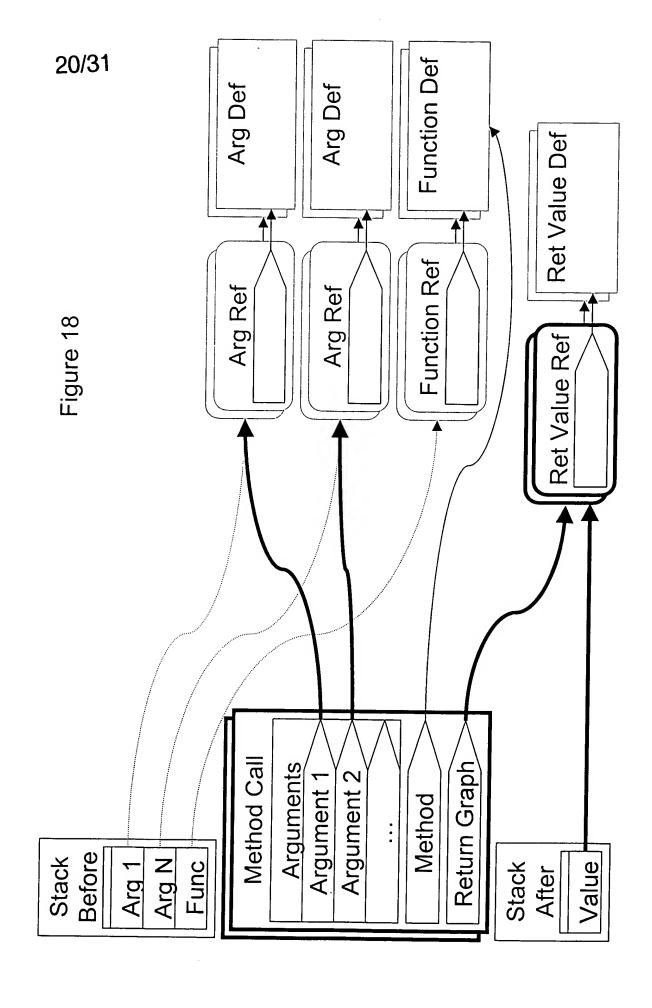
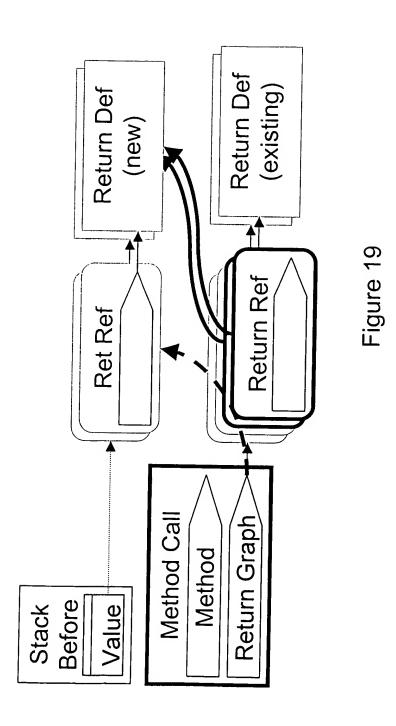


Figure 17





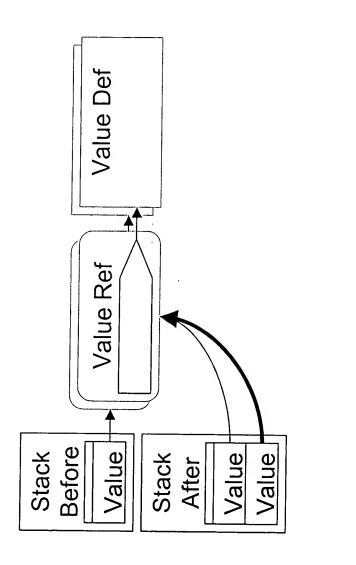


Figure 20

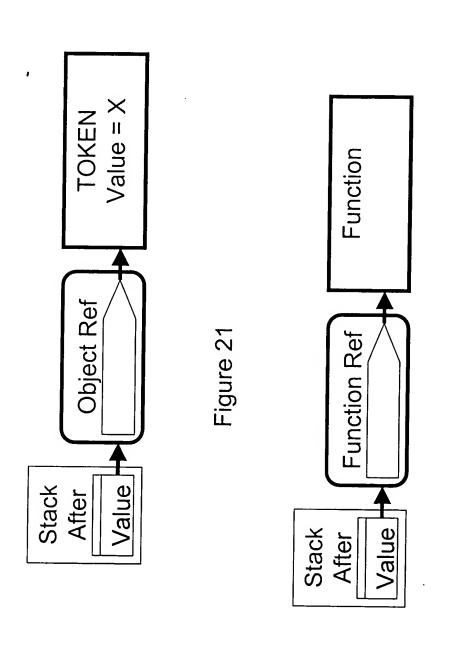


Figure 22

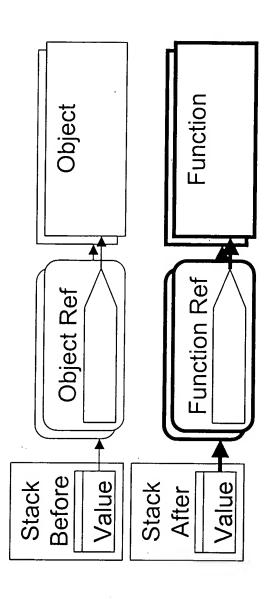


Figure 23

| 88 Lantronix XNET Applications Builder | | X |
|--|---|----------|
| File Target Debug Toots Help | | |
| 50000000000000000000000000000000000000 | | |
| [中 Build][四 Dependency Graph] [国 Source Code | 世 Build [韓] Dependency Graph] [国 Source Code [国 Intermediate Code 画 Machine Code 人 Memory | |
| Stack Frame: | Function: | |
| Application ThermostatSample.Main | ▼ Application. ThermostatSample.Main() | > |
| Locals: | Source Lines: |] |
| m> = 0300:FF02 | ► Line # Source Code | |
| E | A3 Lantronix IO. SerialStream port = new Lantronix IO SerialStream[1]; | |
| Themostat Om stream < Serial Stream > = 0300 FE02 | 44 //create the thermostat, assign it to the serial port | |
| O m_currentemp < Inf32 > = 62 | 46 Thermostat device = new Themostat(port); | |
| O m_mode < Value Type> = Auto | | |
| O m_fan boolean>= True O m_es <int32> = 0</int32> | | |
| O dynamicpages <dynamicpageinfo[]> = 0300:FEDB</dynamicpageinfo[]> | 51 | |
| □ '8 Uniamicragemo(1) □ '8 (0) = 0300. FEAB | 52 //create web server 53 WehServer = new WehServer = new WehServer | |
| Ag DynamicPageInto | | |
| E | 3 X | |
| Ourl < String> = /object/thermostat.ht | • | |
| O webserver <webserver> = 0300:FE85</webserver> | | |
| G V WebServer | | |
| | | |
| □ 🕏 Socket | >1I | |
| < | | _ |
| | | |
| Build Complete 192.168.1.4 Breaked | | |

FIG 24

| tbug Tools Help 今写[] 仁] Dependency Graph [图 Source Co | | | | |) | : |
|--|--|-----------|----------|-----------|--------|---|
| D II 口 B 今 语 语 语 C Colleguration: | | | | | | í |
| Left Build 国 Dependency Graph 国 Source Co Configuration: Fur 国 Application | | | | | | 1 |
| Fu | de 国 Intermediate Code 医 Machine Code | mory | | | | ı |
| | Functions: | | | | | |
| | Function | -Module: | aci2 | Code Size | Ctatue | _ |
| Executable Thermostat | Application ThermostatSamnle Main() | - | 1 | | | - |
| | Device Thermostat ctor(I antronix IO SerialStream) | | 55 | 212 | Pass: | |
| LOS. | System Object ctor() | | 24 | 168 | Pass | |
| 1 | System Object Cold () Mobile for the Cold of the Cold | mscorlib | - | ∞ | Pass | |
| | Webniter lace. Dynamic rageminociol (Object, String, B | | 28 | 83 | Pass | |
| 1 | weumiter lace. webserverctor(string, webintertace | | 29 | 210 | Pass | |
| riesystem Serial Flash | System. Net. IP End Point ctor (int64, int32) | system | 45 | 163 | Pass | |
| vereiences (conection) | System.Net.EndPointctor() | system | 7 | 21 | Pass | |
| - Metrics | System.Net.ValidationHelper.ValidateTcpPort(Int32) | system | 18 | 97 | Pass | |
| | System. ArgumentOutOrRangeExceptionctor(String) | mscorlib | 24 | 55 | Pass | |
| Code | System. ArgumentOutOrRangeException.get_RangeMe | mscorlib | 28 | 94 | Pass | |
| Metadata 2820 | System. Argument Exceptionctor (String, String) | mscorlib | 56 | 72 | Pass: | |
| | System SystemExceptionctor(String) | mscorlib | 19 | 48 | Pass: | |
| | System.Exceptionctor(String) | mscorlib | 22 | 145 | Pass: | |
| | System. Exception.set HResult(Int32) | mscorlib | ∞ | 32 | Pass: | |
| | System.IntPtr.op_Explicit(Int32) | mscorlib | 7 | 35 | Pass | _ |
| | System.IntPtrctor(Int32) | mscorlib | တ | 37 | Pass: | _ |
| | System. Exception. SetErrorCode (Int32) | mscorlib | ∞ | 53 | Pass | |
| | System.Net.IPAddressctor(Int64) | system | 69 | 255 | Pass | |
| | Webinterlace. WebServer. Run() | | 48 | 158 | Pass | |
| Executable | WebInterface. HttpClientctor (System. Net. Sockets. So | | 566 | 938 | Pass | |
| The net application executable to be | Sysylem.Net.Sockets.Socket.Receive(Byte[]) | system | 19 | 66 | Pass | |
| deployed to the device. | System. Text. ASCIIEncodingctor() | mscorlib | 12 | 27 | Pass | |
| | System.Text.Encodingctor(Int32) | mscorlib | 36 | 137 | Pass | |
| | System. Text. ASCIIEncoding. GetString (Byte []) | mscorlib: | 35 | 129 | Pass: | > |

FIG. 25

| c rain only when Applications builder | X P |
|---|--|
| File Target Debug Tools Help | |
| ↑ NI O B 中语 C C C C C C C C C C C C C C C C C C | |
| Hay Build (四 Dependency Graph (国 Source Code (国 Intermediate Code | w Machine Code |
| Function: | |
| WebInterface.ObjectRender.RenderProperty(Object. System.Reflection.PropertyInfo, WebInterface.HttpClient) | erface. HttpClient) |
| Dependents: | |
| ☐ K WebInterface Object/Renderer.RenderProperty(Object.System.Reflec ☐ WebInterface Object/Bonderer BonderObject/Object.System.Reflec | WebInterface. ObjectRenderer. RenderProperty (Object, SystemRefk |
| | —— IL_0007: System. Refrection. Memberinto.get_Name() —— IL_0011: System. String. Concat(String. String.) |
| Weblinterface.WebServer.Run() Weblinterface.WebServer.Run() | IL_0016: WebInterface. HttpClient, WriteString(String) IL_0021: System. Yoe GeTyoeFromHandle/System RuntimeTyn |
| 0 —₽ | IL_0027: System, Reflection, Memberlnfo, GetCustomAttributes (Sy |
| 0-0 | ic_004 i. system, componentwoder, DescriptionAttroule, get_Des IL_0046: Webinterface, HttpClient. WriteString(String) |
| | IL_0051: WebInterface. HttpClient. WriteString(String) |
| | IL_0033. 3ystem.retrection.PropertyImo.betValue(Object,Object) —O System.Reflection.PropertyInfo.GetValue(Object,Object(1)) |
| | - O IL_0006:System.Reflection.PropertyInfo.GetValue(Obje |
| | E—O System.Reflection.PropertyInfo.GetValue(Object,Sy |
| | E-O Device. Thermostat.get_Temperature() |
| | O Device Thermostat get_Setpoint() |
| | O Device. Thermostat.get_EmergencySetpoint |
| | Device. Thermostat.get_Fan() |
| | IL_UOOU: SYSTEM: RELIECTION. Property Info. get Property Type() |
| - | 1 |
| | IL UUGG. System. Kellecuon. Memberinto. get Name) |
| | |
| 바를 Build Complete 名 Offline | |

FIG. 26

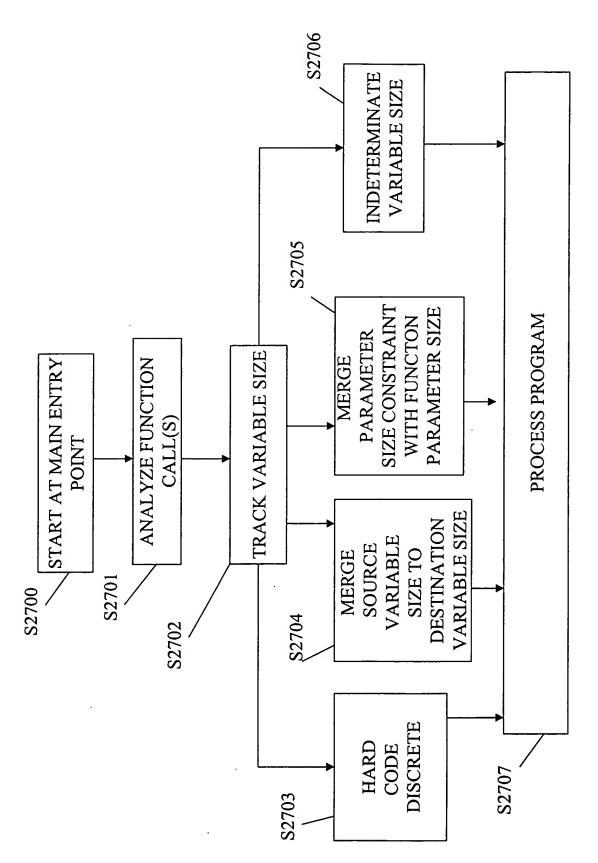


FIGURE 27

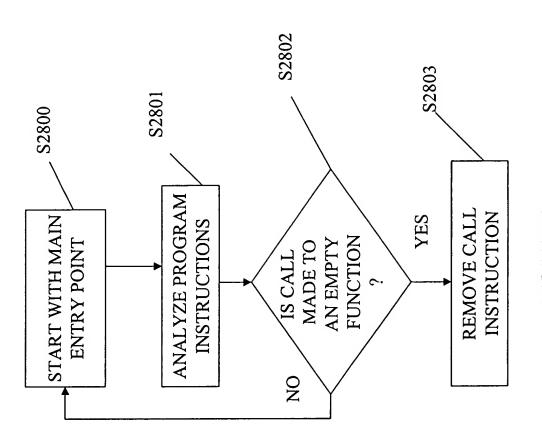


FIGURE 28

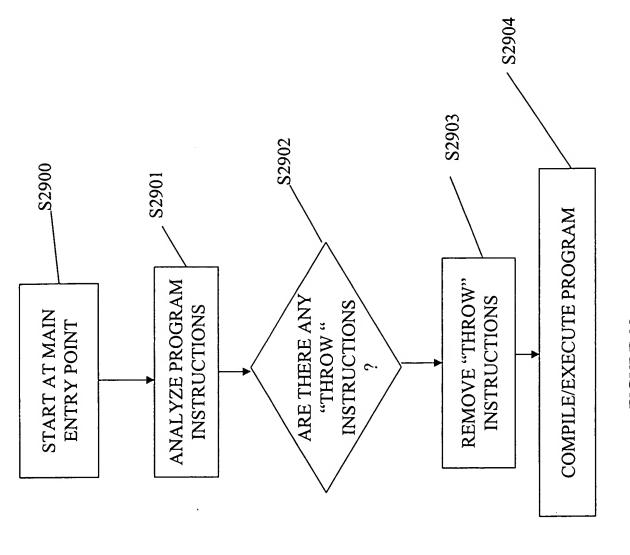


FIGURE 29

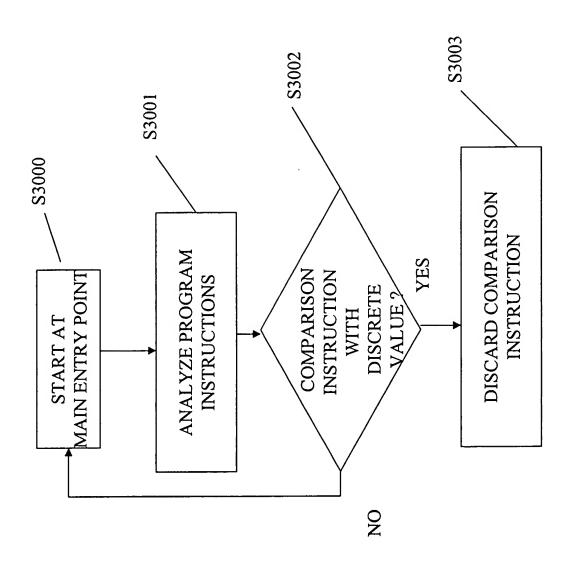


FIGURE 30